

Title (en)
STEERING COLUMN

Title (de)
LENKSÄULE

Title (fr)
COLONNE DE DIRECTION

Publication
EP 0787080 B1 19980708 (DE)

Application
EP 95918612 A 19950426

Priority
• DE 4438693 A 19941029
• EP 9501582 W 19950426

Abstract (en)
[origin: DE4438693A1] The safety steering column described consists of a steering-wheel shaft (4) which is rotatably mounted inside a protective tube (1) and inside which is located the airbag gas generator (12) which operates in the usual way - under sensor controls - to inflate an inflatable bag. Both the steering-wheel shaft (4) and the protective tube (1) are made up of tubular sections (6, 7; 10, 11) which fit telescopically into each other and can be displaced in the direction indicated by the arrows (9), absorbing energy, so that the whole steering column will telescope in on itself in the event of an impact. Housing the gas generator (12) inside the steering-wheel shaft (4) has the significant advantage that the space necessary inside the steering column, in particular inside the steering wheel, to house the other airbag-system components can be kept relatively small and the steering wheel can be designed as a lightweight unit.

IPC 1-7
B60R 21/20

IPC 8 full level
B62D 1/18 (2006.01); **B60R 21/20** (2006.01); **B60R 21/203** (2006.01); **B62D 1/19** (2006.01)

CPC (source: EP KR)
B60R 21/20 (2013.01 - KR); **B60R 21/203** (2013.01 - KR); **B60R 21/2032** (2013.01 - EP)

Designated contracting state (EPC)
BE DE ES FR GB

DOCDB simple family (publication)
DE 4438693 A1 19960502; DE 59502781 D1 19980813; EP 0787080 A1 19970806; EP 0787080 B1 19980708; JP H10507717 A 19980728; KR 970706989 A 19971201; WO 9613406 A1 19960509

DOCDB simple family (application)
DE 4438693 A 19941029; DE 59502781 T 19950426; EP 9501582 W 19950426; EP 95918612 A 19950426; JP 51426896 A 19950426; KR 19970702819 A 19970429